

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	US-1588531-\$.DID.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/04 16:11
S2	6	"10039954"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/04 16:13
S3	1	2002-316670.NRAN.	DERWENT	OR	OFF	2008/08/04 16:13
S4	61	((FIRZT NEAR3 HOHL) OR (ERNOE NEAR3 KOVACS)).INV.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/04 16:14
S5	7610	((AUDIO NEAR3 VISUAL) OR AUDIO \$1VISUAL OR AUDIOVISUAL) NEAR3 SIGNAL	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/04 16:17
S6	2	S4 AND S5	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/04 16:17
S7	971	((MULTI\$1HOP OR MULTIHOP OR ((MULTI OR MULTIPLE) NEAR3 HOP)) WITH (ADHOC OR AD\$1HOC OR (AD NEAR3 HOC))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/04 16:18
S8	6	S7 WITH REGIST\$7	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/04 16:20
S9	1	2005-584906.NRAN.	DERWENT	OR	OFF	2008/08/04 16:21
S10	260	SONY NEAR3 DEUTSCHLAND NEAR3 GMBH	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/04 16:22

S11	1	S10 AND S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/04 16:22
S12	77606	secur\$4 with regist\$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/07 11:39
S13	247	S12 and (man near3 middle near3 attack)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 11:40
S14	69	S13 and (ADHOC OR AD \$1HOC OR (AD NEAR3 HOC))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 11:41
S15	0	7\$2\$.ccls	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:15
S16	1396919	7\$2\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:16
S17	15381	S12 and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:22
S18	39	S17 and (vot\$4 near3 message)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:23
S19	405	S17 and (lock near3 out)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:23
S20	1499	S17 and (((lock near3 out) or prevent\$4) with regist\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:24

S21	638	S17 and (((lock near3 out) or prevent\$4) near5 regist\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:24
S22	417	S21 and signal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:25
S23	5398229	S21 and (audio and video) signal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:25
S24	82	S21 and (audio and video) and signal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:25
S25	24	S24 and (adhoc or (ad near3 hoc) or ad\$1hoc)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:27
S26	977	(regist\$4 or authenticat \$4) with (adhoc or (ad near3 hoc) or ad\$1hoc)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:28
S27	416	S16 and S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:28
S28	128251	"370"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:28
S29	137540	"455"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:28
S30	28	(S28 or S29) and S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:28

S31	2	S30 and ((audio or video) near4 signal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:29
S32	395	380/247\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:45
S33	6	S32 and S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:45
S34	113	"455"/26.1\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:50
S35	0	S26 and S34	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:50
S36	17828	prevent\$4 near5 regist \$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:50
S37	1	S34 and S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:51
S38	208	S26 and S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:51
S39	22	S24 and S38	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:52
S40	115	S36 and (man near3 middle near3 attack)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:57

S41	42	S26 and S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 14:58
S42	228	(prevent\$4 or restrict \$4) near5 network near5 regist\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 15:05
S43	65	S42 and (S28 or S29)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 15:05
S44	1126	(regist\$7 or authenticat \$4) with (ad hoc or (ad near3 hoc) or ad\$1hoc)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 15:20
S45	745	(prevent\$4 or restrict\$4 OR LOCK\$4 OR BLOCK \$4 OR DENY\$4) near5 network near5 regist\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 15:25
S46	3	S44 AND S45	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 15:25
S47	246	S45 and (S28 or S29)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 15:26
S48	181	S47 NOT S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 15:27
S49	528	713/169\$.OCL.S.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 15:29
S50	17	S49 AND ((prevent\$4 or restrict\$4 OR LOCK\$4 OR BLOCK\$4 OR DENY \$4) near5 regist\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 15:29

S51	334	(USER NEAR3 INTERACTION) WITH REGISTRATION	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 16:05
S52	12	(USER NEAR3 INTERACTION) WITH CONTROL WITH REGISTRATION	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 16:06
S53	1058	455/11.1\$.CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 16:10
S54	2081	455/41.2\$.CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 16:10
S55	0	455/410-411\$.CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 16:10
S56	2900	(455/410-411).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/07 16:11
S57	1	S53 AND S54 AND S56	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 16:11
S58	1	DE10039954	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 16:35
S59	7442	PRIORI T\$8 NEAR3 REGI ST\$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 16:40
S60	50	S59 AND S44	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 16:41

S61	3176	RESERV\$7 NEAR3 NODE	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 16:46
S62	24	S44 AND S61	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 16:46
S63	1523	(S63 OR S64) and ((ADHOC OR AD\$1HOC OR (AD NEAR3 HOC) OR (BLUETOOTH OR BLUES1TOOTH OR BLUE NEAR3 TOOTH))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 16:54
S64	31	S44 AND S63	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 16:55
S65	2	"7277952".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/18 13:09
S66	1	"10588531"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 13:45
S67	118934	user with (register\$4 or registration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 14:33
S68	958	S67 and (wireless near3 node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 14:34
S69	659	S68 and (network with (register\$4 or registration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 14:34
S70	57	S69 and ((evaluat\$5 or determin\$5) with respons\$5 with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 14:35

S71	5	S70 and (decrypt\$5 or de\$1crypt\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 14:36
S72	5	S70 and (decrypt\$5 or de\$1crypt\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 14:36
S73	24252	S67 and ((network with (register\$4 or registration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 14:38
S74	5119	S73 and ((evaluat\$5 or determin\$5) with respons\$5 )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 14:39
S75	1088	S74 and (decrypt\$5 or de\$1crypt\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 14:39
S76	458	S75 and (authenticat\$5 near3 identi\$8)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 14:39
S77	24	S76 and ((audio\$1visual\$3 or (audio near3 visual\$4) or audiovisual\$3) near3 signal\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 14:40
S78	258	((ad\$1hoc or (ad near3 hoc) or adhoc) with network with (register\$4 or registration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 14:42
S79	44	S78 and (user near5 interact\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 14:43
S80	484	((ad\$1hoc or (ad near3 hoc) or adhoc) with (register\$4 or registration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 14:47



S81	103	S80 and (user near5 interact\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 14:47
S82	59	S81 not S79	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 14:48
S83	160	S80 and (authentica t\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 14:55
S84	120	S83 not S82	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 14:55
S85	4294124	"29" abd (decrypt\$5 or de\$1crypt\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 14:56
S86	1	S66 and (decrypt\$5 or de\$1crypt\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 14:56
S87	18	(multi with (ad\$1hoc or (ad near3 hoc) or adhoc) with (register\$4 or registration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 15:04
S88	275877	(multi with (ad\$1hoc or (ad near3 hoc) or adhoc)) ((node or device or mobile or mT) with (register\$4 or registration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 15:06
S89	170	(multi with (ad\$1hoc or (ad near3 hoc) or adhoc)) and ((node or device or mobile or mT) with (register\$4 or registration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 15:07
S90	34	S89 and (user near3 interact\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 15:07

S91	1575	(user near3 interact\$5) with (register\$4 or registration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 15:19
S92	660	S91 and authenticat\$6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 15:20
S93	227	S92 and (decrypt\$6 or de\$1crypt%6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 15:20
S94	227	S92 and (decrypt\$6 or de\$1crypt\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 15:20
S95	1	S94 and ((locat\$5 or determin\$5 or find\$5) near4 close\$3 near3 (device or mobile or node or network))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 15:22
S96	61	dynamic near3 user near3 registration	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 15:31
S97	1294	user near3 registration near5 network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 15:33
S98	2	S97 and adhoc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 15:33
S99	34	S97 and ad\$1hoc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 15:34
S100	83	(user near3 (involv\$6 or determin\$5 or assist\$4 or interact\$5)) near5 registration near5 network	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 15:35
S101	1	2000-079746.NRAN.	DERWENT	OR	OFF	2008/08/18 15:37

S102	1	"10588531"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 11:04
S103	58	(voting near3 messag \$4).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 11:12
S104	5	S103 and (nodes.clm.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 11:13
S105	27	S103 and (register\$4 registration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 11:14
S106	2	S105 and (ad hoc ad \$1hoc)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 11:14
S107	2314	455/41.2.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 12:29
S108	0	S107 and (vot\$4 with messag\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 12:30
S109	137	S107 and ((registration register\$4) with messag \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 12:30
S110	1746	455/435.1.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 12:30
S111	14	S109 and S110	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 12:30

S112	1	S107 and (((registration register\$4) with messag \$4) same (prevent\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 12:32
S113	286	("455"/.clas.) and (((registration register \$4) with messag\$4) same (prevent\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 12:32
S114	48	S110 and (((registration register\$4) with messag \$4) same (prevent\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 12:32
S115	28	S110 and (((registration register\$4) with messag \$4) same (prevent\$4 with (registration register\$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 12:33
S116	61	(((registration register \$4) with messag\$4) same (prevent\$4 )). clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/02/11 12:39

2/ 11/ 2009 2:05:13 PM

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 DEVICE REGISTRATION IN A WIRELESS MULTI-HOP AD-HOC NETWORK.wsp